

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/242,202B

CRF Processing Date: 2/4/2002

Edited by: Ar

Verified by: Ar

ENTERED

RECEIVED  
FEB 06 2002  
TECH CENTER 1600/2903  
(SAC aff)

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☒ Other: Seq 20 - corrected amino acid nos.

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



1600

## RAW SEQUENCE LISTING

DATE: 02/04/2002

PATENT APPLICATION: US/09/242,202B

TIME: 20:54:32

Input Set : N:\Crf3\01242002\I242202B.raw

Output Set: N:\CRF3\02042002\I242202B.raw

## SEQUENCE LISTING

1 (1) GENERAL INFORMATION:  
2 (i) APPLICANT: Nelson, Edward L.  
3 Nelson, Peter J.  
4 (ii) TITLE OF INVENTION: NOVEL VECTOR FOR  
5 POLYNUCLEOTIDE VACCINES  
6 (iii) NUMBER OF SEQUENCES: 29  
7 (iv) CORRESPONDENCE ADDRESS:  
8 (A) ADDRESSEE: MORGAN & FINNEGAN, L.L.P.  
9 (B) STREET: 345 PARK AVENUE  
10 (C) CITY: NEW YORK  
11 (D) STATE: NEW YORK  
12 (E) COUNTRY: USA  
13 (F) ZIP: 10154  
14 (v) COMPUTER READABLE FORM:  
15 (A) MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB  
16 (B) COMPUTER: IBM PC COMPATIBLE  
17 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
18 (D) SOFTWARE: MS WORD 97  
19 (vi) CURRENT APPLICATION DATA:  
C--> 20 (A) APPLICATION NUMBER: US/09/242,202B  
C--> 21 (B) FILING DATE: 01-Nov-1999  
22 (vii) PRIOR APPLICATION DATA:  
23 (A) APPLICATION NUMBER: US60/023931  
24 (B) FILING DATE: 14-AUG-1996  
25 (viii) ATTORNEY/AGENT INFORMATION:  
26 (A) NAME: KATHRYN M. BROWN  
27 (B) REGISTRATION NUMBER: 34556  
28 (C) REFERENCE/DOCKET NUMBER: 2026-4236US1  
29 (ix) TELECOMMUNICATION INFORMATION:  
30 (A) TELEPHONE: (212) 758-4800  
31 (B) TELEFAX: (212) 751-6849  
32 (C) TELEX: 421792  
33 (2) INFORMATION FOR SEQ ID NO: 1:  
34 (i) SEQUENCE CHARACTERISTICS:  
35 (A) LENGTH: 453 base pairs  
36 (B) TYPE: nucleic acid  
37 (C) STRANDEDNESS: single  
38 (D) TOPOLOGY: unknown  
39 (ii) MOLECULE TYPE: cDNA  
40 (iii) HYPOTHETICAL: No  
41 (iv) ANTI-SENSE: No  
42 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

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DATE: 02/04/2002

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Input Set : N:\Cr3\01242002\I242202B.raw

Output Set: N:\CRF3\02042002\I242202B.raw

43	GGCCGCGTTG CTGGCGTTTT TCCATAGGCT CCGCCCCCCT	40
44	GACGAGCATC ACAAAAATCG ACGCTCAAGT CAGAGGTGGC	80
45	GAAACCCGAC AGGACTATAA AGATAACCAGG CGTTTCCCCC	120
46	TGGAAGCTCC CTCGTGCGCT CTCCTGTTCC GACCCTGCCG	160
47	CTTACCGGAT ACCTCTCCGC CTTTCTCCCT TCGGGAAGCG	200
48	TGGCGCTTTC TCAATGCTCA CGCTGTAGGT ATCTCAGTTC	240
49	GGTGTAGGTC GTTCGCTCCA AGCTGGGCTG TGTGCACGAA	280
50	CCCCCGTTC AGCCCGACCG CTGCGCCTTA TCCGGTAACT	320
51	ATCGTCTTGA GTCCAACCCG GTAAGACACG ACTTATCGCC	360
52	ACTGGCAGCA GCCACTGGTA ACAGGATTAG CAGAGCGAGG	400
53	TATGTAGGCG GTGCTACAGA GTTCTTGAAG TGGTGGCCTA	440
54	ACTACGGCTA CAC	453
56	(2) INFORMATION FOR SEQ ID NO: 2:	
57	(i) SEQUENCE CHARACTERISTICS:	
58	(A) LENGTH: 453 base pairs	
59	(B) TYPE: nucleic acid	
60	(C) STRANDEDNESS: single	
61	(D) TOPOLOGY: unknown	
62	(ii) MOLECULE TYPE: cDNA	
63	(iii) HYPOTHETICAL: No	
64	(iv) ANTI-SENSE: No	
65	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:	
66	GTGTAGCCGT AGTTAGGCCA CCACTTCAAG AACTCTGTAG	40
67	CACCGCTAC ATACCTCGCT CTGCTAATCC TGTTACCAGT	80
68	GGCTGCTGCC AGTGGCGATA AGTCGTGTCT TACCGGGTTG	120
69	GACTCAAGAC GATAGTTACC GGATAAGGCG CAGCGGTCGG	160
70	GCTGAACGGG GGGTTCGTGC ACACAGCCCA GCTTGAGCGG	200
71	AACGACCTAC CCCGAAGTGA GATACCTACA CCGTGAGCAT	240
72	TGAGAAAGCG CACACGCTTC CGAAGGGAGA AAGGCGGACA	280
73	GGTATCCGGT AAGCGGCAGG GTCGGAACAG GAGAGCGCAC	320
74	GAGGGAGCTT CCAGGGGGAA ACGCCTGGTA TCTTTATAGT	360
75	CCTGTCCGGT TTCGCCACCT CTGACTTGAG CGTCGATTTT	400
76	TGTGATGCTC GTCAGGGGGG CGGAGCCTAT GGAAAAACGC	440
77	CAGCAACGCG GCC	453
79	(2) INFORMATION FOR SEQ ID NO: 3:	
80	(i) SEQUENCE CHARACTERISTICS:	
81	(A) LENGTH: 209 base pairs	
82	(B) TYPE: nucleic acid	
83	(C) STRANDEDNESS: single	
84	(D) TOPOLOGY: unknown	
85	(ii) MOLECULE TYPE: cDNA	
86	(iii) HYPOTHETICAL: No	
87	(iv) ANTI-SENSE: No	
88	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:	
89	GAATTCTTTC GGACTTTTGA AAGTGATGGT GGTGGCCGAA	40
90	GGATTGCAAC CTTCAAGTC GATGACGGCA GATTTAGAGT	80
91	CTGCTCCCTT TGGCCGCTCG GGAACCCAC CACGGGTAAT	120
92	GCTTTTACTG GCCTGCTCCC TTATCGGGAA GCGGGGCGCA	160
93	TCATATCAAA TGACGCGCCG CTGTAAAGTG TTACGTTGAG	200

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TIME: 20:54:32

Input Set : N:\Crf3\01242002\I242202B.raw

Output Set: N:\CRF3\02042002\I242202B.raw

94	AAAGAATTC	209
96	(2) INFORMATION FOR SEQ ID NO: 4:	
97	(i) SEQUENCE CHARACTERISTICS:	
98	(A) LENGTH: 209 base pairs	
99	(B) TYPE: nucleic acid	
100	(C) STRANDEDNESS: single	
101	(D) TOPOLOGY: unknown	
102	(ii) MOLECULE TYPE: cDNA	
103	(iii) HYPOTHETICAL: No	
104	(iv) ANTI-SENSE: No	
105	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:	
106	GAATTCTTTC TCAACGTAAC ACTTTACAGC GGCGCGTCAT	40
107	TTGATATGAT GCGCCCCGCT TCCCGATAAG GGAGCAGGCC	80
108	AGTAAAAGCA TTACCCGTGG TGGGGTTCCC GAGCGGCCAA	120
109	AGGGAGCAGA CTCTAAATCT GCCGTCATCG ACTTCGAAGG	160
110	TTCGAATCCT TCCCCACCA CCATCACTTT CAAAAGTCCG	200
111	AAAGAATTC	209
113	(2) INFORMATION FOR SEQ ID NO: 5:	
114	(i) SEQUENCE CHARACTERISTICS:	
115	(A) LENGTH: 6 base pairs	
116	(B) TYPE: nucleic acid	
117	(C) STRANDEDNESS: single	
118	(D) TOPOLOGY: unknown	
119	(ii) MOLECULE TYPE: cDNA	
120	(iii) HYPOTHETICAL: No	
121	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:	
122	AATAAA	6
124	(2) INFORMATION FOR SEQ ID NO: 6:	
125	(i) SEQUENCE CHARACTERISTICS:	
126	(A) LENGTH: 6 base pairs	
127	(B) TYPE: nucleic acid	
128	(C) STRANDEDNESS: single	
129	(D) TOPOLOGY: unknown	
130	(ii) MOLECULE TYPE: cDNA	
131	(iii) HYPOTHETICAL: No	
132	(iv) ANTI-SENSE: No	
133	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:	
134	ATTAAA	6
136	(2) INFORMATION FOR SEQ ID NO: 7:	
137	(i) SEQUENCE CHARACTERISTICS:	
138	(A) LENGTH: 6 base pairs	
139	(B) TYPE: nucleic acid	
140	(C) STRANDEDNESS: single	
141	(D) TOPOLOGY: unknown	
142	(ii) MOLECULE TYPE: cDNA	
143	(iii) HYPOTHETICAL: No	
144	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:	
145	AGTAAA	6
147	(2) INFORMATION FOR SEQ ID NO: 8:	

## RAW SEQUENCE LISTING

DATE: 02/04/2002

PATENT APPLICATION: US/09/242,202B

TIME: 20:54:32

Input Set : N:\Crf3\01242002\I242202B.raw

Output Set: N:\CRF3\02042002\I242202B.raw

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148      (i) SEQUENCE CHARACTERISTICS:
149          (A) LENGTH: 6 base pairs
150          (B) TYPE: nucleic acid
151          (C) STRANDEDNESS: single
152          (D) TOPOLOGY: unknown
153      (ii) MOLECULE TYPE: cDNA
154      (iii) HYPOTHETICAL: No
155      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
156      AAGAAC
158 (2) INFORMATION FOR SEQ ID NO: 9:
159      (i) SEQUENCE CHARACTERISTICS:
160          (A) LENGTH: 6 base pairs
161          (B) TYPE: nucleic acid
162          (C) STRANDEDNESS: single
163          (D) TOPOLOGY: unknown
164      (ii) MOLECULE TYPE: cDNA
165      (iii) HYPOTHETICAL: No
166      (iv) ANTI-SENSE: No
167      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
168      AATACA
170 (2) INFORMATION FOR SEQ ID NO: 10:
171      (i) SEQUENCE CHARACTERISTICS:
172          (A) LENGTH: 227 base pairs
173          (B) TYPE: nucleic acid
174          (C) STRANDEDNESS: single
175          (D) TOPOLOGY: unknown
176      (ii) MOLECULE TYPE: cDNA
177      (iii) HYPOTHETICAL: No
178      (iv) ANTI-SENSE: No
179      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
180      GCCTTAAGGG CCATATGGTG AGTGGATCCC TTGACCCCAG      40
181      GCGGGGATGG GGAGACCTGT AGTCAGAGCC CCCGGGCAGC      80
182      ACAGGCCAAT GCCCGTCCTT CCCCTGCAGG ATGAGTAGTG      120
183      AGTGCCTCTC CTGGCCCTGG AAGTTGCCAC TCCAGTGCCC      160
184      ACCAGCCTTG TCCTAATAAA ATTAAGTTGC ATCATTTTGT      200
185      CTGACTAGGT GTCCTCTATA ATATTAT      227
187 (2) INFORMATION FOR SEQ ID NO: 11:
188      (i) SEQUENCE CHARACTERISTICS:
189          (A) LENGTH: 227 base pairs
190          (B) TYPE: nucleic acid
191          (C) STRANDEDNESS: single
192          (D) TOPOLOGY: unknown
193      (ii) MOLECULE TYPE: cDNA
194      (iii) HYPOTHETICAL: No
195      (iv) ANTI-SENSE: No
196      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
197      ATAATATTAT AGAGGACACC TAGTCAGAAC AAATGATGCA      40
198      ACTTAATTTT ATTAGGACAA GGCTGGTGGG CACTGGAGTG      80
199      GCAACTTCCA GGGCCAGGAG AGGCACTCAC TACTCATCCT      120

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Input Set : N:\Crf3\01242002\I242202B.raw

Output Set: N:\CRF3\02042002\I242202B.raw

200	GCAGGGGAAG GACGGGCATT GGCCTGTGCT GCCCGGGGGC	160
201	TCTGACTACA GGTCTCCCCC ATCCCCGCCT GGGGTCAAGG	200
202	CATCCACTCA CCATATGGCC CTTAAGG	227
204	(2) INFORMATION FOR SEQ ID NO: 12:	
205	(i) SEQUENCE CHARACTERISTICS:	
206	(A) LENGTH: 252 base pairs	
207	(B) TYPE: nucleic acid	
208	(C) STRANDEDNESS: single	
209	(D) TOPOLOGY: unknown	
210	(ii) MOLECULE TYPE: cDNA	
211	(iii) HYPOTHETICAL: No	
212	(iv) ANTI-SENSE: No	
213	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:	
214	CCTCGGTACC TGCCATGGCG CGGATTCTTT ATCACTGATA	40
215	AGTTGGTGGA CATATTATGT TTATCAGTGA TAAAGTGTCA	80
216	AGCATGACAA AGTTGCAGCC GAATACAGTG ATCCGTGCCG	120
217	GCCCTGGACT GTTGAACGAG GTCGGCGTAG ACGGTCTGAC	160
218	GACACGCAAA CTGGCGGAAC GGTGGGGGT GCAGCAGCCG	200
219	GCGCTTTACT GGCACTTCAG GAACAAGCGG GCGCCTTAAG	240
220	GGCCATATGC CG	252
222	(2) INFORMATION FOR SEQ ID NO: 13:	
223	(i) SEQUENCE CHARACTERISTICS:	
224	(A) LENGTH: 35 base pairs	
225	(B) TYPE: nucleic acid	
226	(C) STRANDEDNESS: single	
227	(D) TOPOLOGY: unknown	
228	(ii) MOLECULE TYPE: cDNA	
229	(iii) HYPOTHETICAL: No	
230	(iv) ANTI-SENSE: No	
231	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:	
232	CCTCGGTACC TGCCACCATG GCGCGGATTC TTTAT	35
234	(2) INFORMATION FOR SEQ ID NO: 14:	
235	(i) SEQUENCE CHARACTERISTICS:	
236	(A) LENGTH: 38 base pairs	
237	(B) TYPE: nucleic acid	
238	(C) STRANDEDNESS: single	
239	(D) TOPOLOGY: unknown	
240	(ii) MOLECULE TYPE: cDNA	
241	(iii) HYPOTHETICAL: No	
242	(iv) ANTI-SENSE: No	
243	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:	
244	CGGCATATGG CCTTAAGGCG CCCGCTTGTT CCTGAAGT	38
246	(2) INFORMATION FOR SEQ ID NO: 15:	
247	(i) SEQUENCE CHARACTERISTICS:	
248	(A) LENGTH: 228 base pairs	
249	(B) TYPE: nucleic acid	
250	(C) STRANDEDNESS: single	
251	(D) TOPOLOGY: unknown	
252	(ii) MOLECULE TYPE: cDNA	

## VERIFICATION SUMMARY

DATE: 02/04/2002

PATENT APPLICATION: US/09/242,202B

TIME: 20:54:33

Input Set : N:\Crf3\01242002\I242202B.raw

Output Set: N:\CRF3\02042002\I242202B.raw

L:20 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:21 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
L:557 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=23  
L:569 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=24